EAST UPDATE

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"5684909".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/15 09:40
L2	40	(optic$ near fiber) and (single near mode) and (index near profile) and (annular near core)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/15 09:42
L3	19	(optic$ near fiber) and (single near mode) and (index near profile) and (annular near core) and (zero near dispersion near wavelength)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/15 09:43
L4	16	(optic$ near fiber) and (single near mode) and (index near profile) and (annular near core) and (zero near dispersion near wavelength) and (mode near field near diameter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/15 09:43
L5	11	(optic$ near fiber) and (single near mode) and (index near profile) and (annular near core) and (zero near dispersion near wavelength) and (mode near field near diameter) and (cutoff near wavelength)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/15 09:44

STIC Search Report
EIC 2800

STIC Database Tracking Number: 147807

TO: Brian Healy **Location: JEF-4D39** **Art Unit : 2874** **Tuesday, March 15, 2005** **Case Serial Number: 09/173097**	**From: Darcy Bates** **Location: EIC 2800** **JEF- 4B68** **Phone: 571-272-2540** **darcy.bates@uspto.gov**

Search Notes

Re: 09/173,097 US 6,031,956

Attached are search results.

No U. S. litigation was found in searches of Lexis-Nexis and Questel-Orbit databases.

If more searching or explanation is needed, please let me know.

Thanks,
Darcy Bates

Litigation involving patent 6,031,956

Click on the docket number to view the docket.
Click on the above patent number to view the patent.

Docket	Case Heading	Date Filed	Date Retrvd

There are no cases involving this patent number.

173097 (09) 6031956 February 29, 2000

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6031956

February 29, 2000

High performance single mode waveguide

REISSUE: February 27, 2002 - Reissue Application filed Ex. Gp.: 2874; Re. S.N. 10/086,222 (O.G. June 4, 2002)
February 27, 2002 - Reissue Application filed Ex. Gp.: 2874; Re. S.N. 10/086,222 (O.G. August 13, 2002)

INVENTOR: Li, Ming-Jun - Horseheads, New York, United States (US); Liu, Yanming - Horseheads, New York, United States (US); Ma, Daiping - Wilmington, North Carolina, United States (US); Smith, David K. - Wilmington, North Carolina, United States (US)

APPL-NO: 173097 (09)

FILED-DATE: October 14, 1998

GRANTED-DATE: February 29, 2000

ASSIGNEE-AT-ISSUE: Corning Incorporated, Corning, New York, United States (US), 02

ASSIGNEE-AFTER-ISSUE: October 14, 1998 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CORNING INCORPORATED PATENT DEPT.; SP- FR-02-12 CORNING NEW YORK 14831, Reel and Frame Number: 09522/0742
March 19, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CORNING INCORPORATED PATENT DEPT.; SP- FR-02-12 CORNING NEW YORK 14831, Reel and Frame Number: 09849/0785

LEGAL-REP: Chervenak, William J.

PUB-TYPE: February 29, 2000 - Utility Patent having no previously published pre-grant publication (A)

PUB-COUNTRY: United States (US)

US-MAIN-CL: 385#124

US-ADDL-CL: 385#123, 385#126, 385#127, 385#141

Enter Search Terms

Terms and Connectors Natural Language

patno=6031956

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pre /N	precedes by N words
w/p	in same paragraph
not w/p	not in same paragraph
w/seg	in same segment
not w/seg	not in same segment
w/s	in same sentence
not w/s	not in same sentence
and not	and not

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Query/Command : file pluspat

Selected file: PLUSPAT

Search statement 1

Query/Command : us6031956/pn

**** SS 1: Results 1**

Search statement 2

Query/Command : prt fu legalall max

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

PN - US6031956 A 20000229 [US6031956]
TI - (A) High performance single mode waveguide
PA - (A) CORNING INC (US)
PA0 - Corning Incorporated, Corning NY [US]
IN - (A) LI MING-JUN (US); LIU YANMING (US); MA DAIPING (US); SMITH DAVID K (US)
AP - US17309798 19981014 [1998US-0173097]
FD - Rel. Prov. 60/065,845 19971117 [1997US-P065845]
PR - US17309798 19981014 [1998US-0173097]
US6584597P 19971117 [1997US-P065845]
IC - (A) G02B-006/02
EC - G02B-006/16M
G02B-006/22
PCL - ORIGINAL (O) : 385124000; CROSS-REFERENCE (X) : 385123000 385126000 385127000 385141000
DT - Basic
CT - US4715679; US4755022; US4877304; US5278931; US5361319; US5483612; US5649044; US5684909; US5715346; US5721800; US5732178; US5748824; US5822488; US5835655; US5852701
STG - (A) United States patent
AB - Disclosed is a single mode optical waveguide fiber having a segmented core design. In particular, the core comprises three segments, each having characteristic dimensions and refractive index profile. By proper choice of index profile in each segment, a waveguide fiber is made which has a mode field diameter of about 9.5, low, positive total dispersion over the operating window 1530 nm to 1565 nm as well as effective area greater than 60 MU m2.
UP - 2000-10

1 / 1 LGST - ©EPO
PN - US6031956 A 20000229 [US6031956]
AP - US17309798 19981014 [1998US-0173097]
ACT - 20020604 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20020227

20020813 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20020227
UP - 2003-22

1 / 1 *CRXX - ©CLAIMS/RRX*
AN - 3288268
PN - 6,031,956 A 20000229 [US6031956]
PA - Corning Inc
PT - E (Electrical)
ACT - 20020227 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020604
REISSUE REQUEST NUMBER: 10/086222
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2874

Reissue Patent Number:

20020227 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020813
REISSUE REQUEST NUMBER: 10/086222
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2874

Reissue Patent Number:

UP - 2002-23
UACT- 2002-08-13

Search statement 2

Query/Command : famstate nonstop

Query/Command : fam us6031956/pn

1 Patent Groups
**** SS 2: Results 10**

Search statement 3

Query/Command : famstate nonstop

1 / 10 *PLUSPAT - ©QUESTEL-ORBIT*
PN - AU1093399 A 19990607 [AU9910933]
STG - (A) Open to public inspection
TI - (A) High performance single mode waveguide
PA - (A) CORNING INC
IN - (A) LI MING-JUN; MA DAIPING; SMITH DAVID K; LIU YANMING
IC - (A) G02B-006/16 G02B-006/22
PN2 - AU736285 B2 20010726 [AU-736285]

STG2- (B2) Patent preceeded by A1
TI2 - (B2) High performance single mode waveguide
PA2 - (B2) CORNING INC
IN2 - (B2) LI MING-JUN; LIU YANMING; SMITH DAVID K; MA DAIPING
IC2 - (B2) G02B-006/16 G02B-006/22
AP - AU1093399 19981015 [1999AU-0010933]
PR - US6584597P 19971117 [1997US-P065845]
WOUS9821871 19981015 [1998WO-US21871]

2 / 10 PLUSPAT - ©QUESTEL-ORBIT
PN - BR9814195 A 20000926 [BR9814195]
STG - (A) Patent Application
OTI - (A) Guia de onda de modo simples de alta performance
PA - (A) CORNING INC (US)
IN - (A) LI MING-JUN; LIU YANMING; MA DAIPING; SMITH DAVID KINNEY
IC - (A) G02B-006/16 G02B-006/22
AP - BR9814195 19981015 [1998BR-0014195]
PR - US6584597P 19971117 [1997US-P065845]
WOUS9821871 19981015 [1998WO-US21871]
UP - 2000-44

3 / 10 PLUSPAT - ©QUESTEL-ORBIT
PN - CA2305232 A1 19990527 [CA2305232]
STG - (A1) Application laid open
TI - (A1) HIGH PERFORMANCE SINGLE MODE WAVEGUIDE
OTI - (A1) GUIDE D'ONDE MONOMODE HAUTES PERFORMANCES
PA - (A1) CORNING INC (US)
IN - (A1) LI MING-JUN (US); LIU YANMING (US); SMITH DAVID K (US); MA DAIPING (US)
IC - (A1) G02B-006/16 G02B-006/22
LA - ENGLISH (ENG)
AP - CA2305232 19981015 [1998CA-2305232]
PR - US6584597P 19971117 [1997US-P065845]
WOUS9821871 19981015 [1998WO-US21871]
UP - 2002-11

1 / 1 LEGALI - ©EPO
PN - CA2305232 A1 19990527 [CA2305232]
AP - CA2305232 19981015 [1998CA-2305232]
ACTE- 20030403 CA/AFNE-A [+]
NATIONAL PHASE ENTRY
EFFECTIVE DATE: 20000407

20030925 CA/AFNE-A [+]
NATIONAL PHASE ENTRY
EFFECTIVE DATE: 20000407

20030925 CA/EEER-A [+]
EXAMINATION REQUEST
EFFECTIVE DATE: 20030805
UP - 2004-36

4 / 10 PLUSPAT - ©QUESTEL-ORBIT
PN - CN1279771 A 20010110 [CN1279771]
STG - (A) Unexamined application

TI - (A) High performance single mode waveguide
PA - (A) CORNING INC (US)
IN - (A) SMITH D K (US); DAIPING MA (US); MINGJUN LI (US)
IC - (A) G02B-006/16 G02B-006/22
PN2 - CN1115574 C 20030723 [CN1115574C]
STG2- (C) Granted patent
TI2 - (C) High performance single mode optical fiber
PA2 - (C) CORNING INC (US)
IN2 - (C) SMITH D K (US); DAIPING MA (US); MINGJUN LI (US)
IC2 - (C) G02B-006/16 G02B-006/22
AP - CN98811234 19981015 [1998CN-0811234]
PR - US6584597P 19971117 [1997US-P065845]
EC - G02B-006/16M
G02B-006/22
DT - Corresponding document
UP - 2005-08

5 / 10 PLUSPAT - ©QUESTEL-ORBIT
PN - EP1032855 A1 20000906 [EP1032855]
STG - (A1) Public. Of applic. With search report
TI - (A1) HIGH PERFORMANCE SINGLE MODE WAVEGUIDE
OTI - (A1) GUIDE D'ONDE MONOMODE HAUTES PERFORMANCES
(A1) MONOMODIGER WELLENLEITER HOHER LEISTUNGSFäHIGKEIT
PA - (A1) CORNING INC (US)
IN - (A1) LI MING-JUN (US); MA DAIPING (US); SMITH DAVID K (US); LIU YANMING (US)
IC - (A1) G02B-006/16 G02B-006/22
LA - ENGLISH (ENG)
AP - EP98953601 19981015 [1998EP-0953601]
PR - WOUS9821871 19981015 [1998WO-US21871]
US6584597P 19971117 [1997US-P065845]
DS - AT CH DE DK ES FI FR GB GR IT LI NL SE
UP - 2000-35

1 / 1 LEGALI - ©EPO
PN - EP1032855 A1 20000906 [EP1032855]
AP - EP98953601 19981015 [1998EP-0953601]
ACTE- 20000906 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
AT CH DE DK ES FI FR GB GR IT LI NL SE

20000906 EP/17P-A [+]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 20000323

20040121 EP/17Q-A [+]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20031208
UP - 2004-04

6 / 10 PLUSPAT - ©QUESTEL-ORBIT
PN - ID27802 A 20010426 [ID--27802]
STG - (A) Patent Application
OTI - (A) PEMANDU-GELOMBANG MODE TUNGGAL DENGAN KINERJA TINGGI
PA - (A) CORNING INC (US)
IN - (A) LI MING-JUN (US); LIU YANMING (US); SMITH DAVID K (US); MA DAIPING (US)

IC - (A) G02B-006/16 G02B-006/22
AP - ID20001120 19981015 [1920ID-0001120]
PR - US6584597P 19971117 [1997US-P065845]
UP - 2004-04

7 / 10 PLUSPAT - ©QUESTEL-ORBIT
PN - JP2001523837 T 20011127 [JP2001523837]
STG - (T) Unexam. Pat. Appl. On foreign appl.
IC - (T) G02B-006/16 G02B-006/22
AP - JP2000521402T 19981015 [2000JP-0521402]
PR - US6584597P 19971117 [1997US-P065845]
WOUS9821871 19981015 [1998WO-US21871]
UP - 2002-01

8 / 10 PLUSPAT - ©QUESTEL-ORBIT
PN - TW408234 B 20001011 [TW-408234]
STG - (B) Patent
TI - (B) High performance single mode waveguide
PA - (B) CORNING INC (US)
IN - (B) LIU YANMING (US); LIN MING-JUN (US); MA DAIPING (US); SMITH DAVID KINNEY (US)
IC - (B) G02B-006/00
AP - TW87119139 19981212 [1998TW-0119139]
PR - US6584597P 19971117 [1997US-P065845]
UP - 2001-32

1 / 1 LEGALI - ©EPO
PN - TW408234 B 20001011 [TW-408234]
AP - TW87119139 19981212 [1998TW-0119139]
ACTE- 20010319 TW/GD4A-A [+]
ISSUE OF PATENT CERTIFICATE FOR GRANTED INVENTION PATENT
UP - 2004-28

9 / 10 PLUSPAT - ©QUESTEL-ORBIT - image
PN - US6031956 A 20000229 [US6031956]
STG - (A) United States patent
TI - (A) High performance single mode waveguide
PA - (A) CORNING INC (US)
PA0 - Corning Incorporated, Corning NY [US]
IN - (A) LI MING-JUN (US); LIU YANMING (US); MA DAIPING (US); SMITH DAVID K (US)
IC - (A) G02B-006/02
AP - US17309798 19981014 [1998US-0173097]
PR - US17309798 19981014 [1998US-0173097]
US6584597P 19971117 [1997US-P065845]
EC - G02B-006/16M
G02B-006/22
PCL - ORIGINAL (O) : 385124000; CROSS-REFERENCE (X) : 385123000 385126000 385127000 385141000
DT - Basic
UP - 2000-10

1 / 1 LEGALI - ©EPO

PN - US6031956 A 20000229 [US6031956]
AP - US17309798 19981014 [1998US-0173097]
ACTE- 20020604 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20020227

20020813 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20020227
UP - 2003-22

10 / 10 PLUSPAT - ©QUESTEL-ORBIT - image
PN - WO9926094 A1 19990527 [WO9926094]
STG - (A1) Publ. Of int. Appl. With int. Search rep
TI - (A1) HIGH PERFORMANCE SINGLE·MODE WAVEGUIDE
OTI - (A1) GUIDE D'ONDE MONOMODE HAUTES PERFORMANCES
PA - (A1) CORNING INC (US)
PA0 - CORNING INCORPORATED ; 1 Riverfront Plaza Corning, NY 14831 (US)
IN - (A1) LI MING-JUN; MA DAIPING; SMITH DAVID K; LIU YANMING
IC - (A1) G02B-006/16 G02B-006/22
LA - ENGLISH (ENG)
AP - WOUS9821871 19981015 [1998WO-US21871]
PR - US6584597P 19971117 [1997US-P065845]
EC - G02B-006/16M
G02B-006/22
ICO - S02B-006/16T
DS - AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GE; GH; GM; HR; HU; ID; IL; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; UZ; VN; YU; ZW; European Patent (AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE); OAPI Patent (BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG)
DT - Basic

1 / 1 LEGALI - ©EPO
PN - WO9926094 A1 19990527 [WO9926094]
AP - WOUS9821871 19981015 [1998WO-US21871]
ACTE- 19990527 WO/AK [+]
DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

19990527 WO/AL [+]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT
AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

19990624 WO/DFPE
REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

19990728 WO/121
EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION

20000406 WO/ENP
ENTRY INTO THE NATIONAL PHASE IN:
JP 2000 521402A [2000JP-0521402]

20000407 WO/ENP
ENTRY INTO THE NATIONAL PHASE IN:
CA 2305232A [1998CA-2305232]

20000515 WO/ENP
ENTRY INTO THE NATIONAL PHASE IN:
KR 2000 2000705285A [2000KR-0705285]

20000921 WO/REG; DE/8642 [-]
DE: IMPACT ABOLISHED FOR DE
<DE>

UP - 2003-22

Enter Search Terms

Terms and Connectors ○ Natural Language

6031956 or 6,031,956

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w/s	in same sentence
not w/s	not in same sentence
and not	and not

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- Use a less restrictive date range.
- Use more common search terms. "Suggested Words and Concepts" are displayed on the search form when you click on Edit Search.

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w/s	in same sentence
not w/s	not in same sentence
and not	and not

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- Use a less restrictive date range.
- Use more common search terms. "Suggested Words and Concepts" are displayed on the search form when you click on Edit Search.

Edit Search

Enter Search Terms

Terms and Connectors Natural Language

6031956 or 6,031,956

Suggest Terms for My Search Search

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Select a Segment Add

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No Date Restrictions From To Date Formats...

Search Connectors

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not w/s	not in same sentence
and not	and not

View Search Command

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- Use more common search terms. "Suggested Words and Concepts" are displayed on the search form when you click on Edit Search.

Edit Search